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FCS 8010
(AVVIO 8100)

REV. 1
(12/02/2005)

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WELCOME

Congratulations on your purchase of an Avvio 8100 product!

Please retain your original dated sales receipt for your records.

For warranty service of your Avvio product you will need to provide a copy of your dated sales receipt to confirm warranty status.

Please read important safety instructions on page 7 before use.

Read and understand all instructions before use.

Please retain this guide for future reference.



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1

SAFETY INFORMATION

SAFETY INFORMATION FOR FIXED PHONES

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION.

READ THIS INFORMATION BEFORE USING YOUR PHONE.

EXPOSURE TO RADIO FREQUENCY (RF) ENERGY

Your phone contains a transmitter and a receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits.

Your AVVIO phone is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

OPERATIONAL PRECAUTIONS

To assure optimal phone performance and make sure human exposure to RF energy is within the guidelines set forth in the relevant standards; always adhere to the following procedures.

EXTERNAL ANTENNA CARE

Use only the supplied BRIGHSTAR approved antenna. Unauthorized antennas, modifications, or attachments could damage the phone.

Do NOT hold the antenna when the phone is IN USE. Holding the antenna affects call quality and may cause the phone to operate at a higher power level than needed. In addition, use of unauthorized antennas may result in non-compliance with the local regulatory requirements in your country.

PHONE OPERATION

When placing or receiving a phone call, hold your phone as you would a wireline telephone.

DATA OPERATION

When using any data feature of the phone, with or without an accessory cable, position the phone and its antenna at least 1 inch (2.5 centimeters) from your body.

APPROVED ACCESSORIES

Use of accessories not approved by BRIGHTSTAR, including but not limited to batteries and antennas, may cause your phone to exceed RF energy exposure guidelines.

RF ENERGY INTERFERENCE / COMPATIBILITIES

Note: Nearly every electronic device is susceptible to RF energy interference from external sources if in adequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your phone may cause interference.

Facilities

Turn off your phone in any facility where posted notices instruct you to do so. These facilities may include hospitals or health care facilities that may be using equipment that is sensitive to external RF energy.

MEDICAL DEVICE

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15centimeters) be maintained between a handheld wireless phone and a pacemaker.

Persons with pacemakers should:

- Always keep the phone more than 6 inches (15 centimeters) from your pacemaker when the phone is turned ON.
- Not carry the phone in the breast pocket
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn OFF the phone immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

BATTERIES

Batteries can cause property damage and / or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touches exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse or other container with metal objects. Use only original batteries and chargers.

Your battery or phone may contain symbols, defined as follows.

Symbol	Definition
	Important safety information will follow
	Your battery or phone should not be disposed of in a fire
	Your battery or phone may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Your battery or phone should not be thrown in the trash

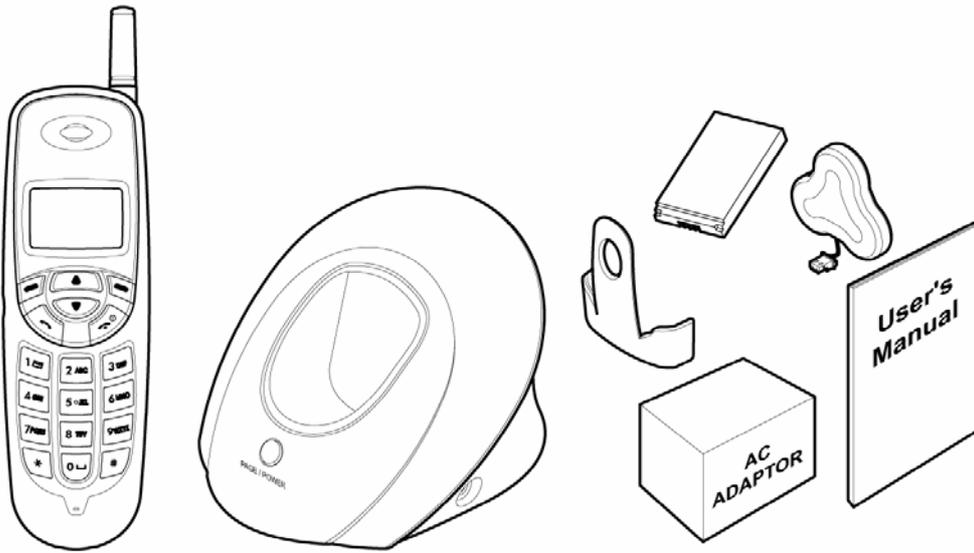
Seizures / Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when watching television or playing video games. These seizures or blackouts may occur even if a person never had a previous seizure or blackout.

If you experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your doctor.

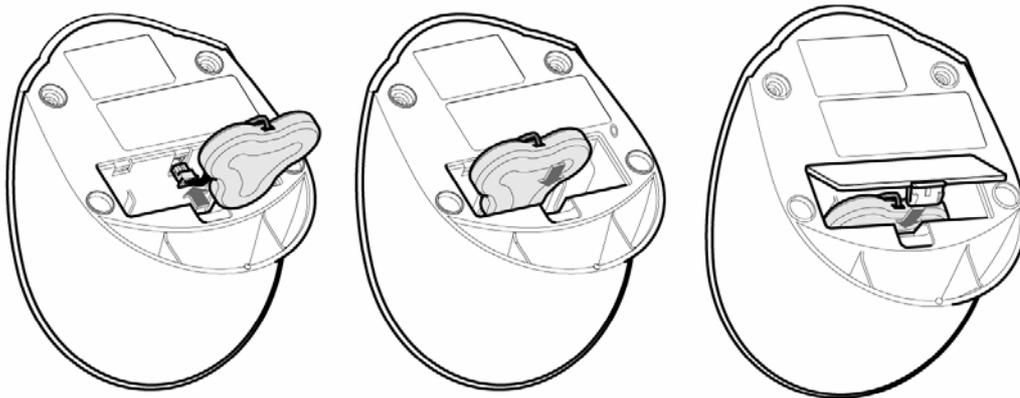
2

PREPARE YOUR PHONE FOR USE

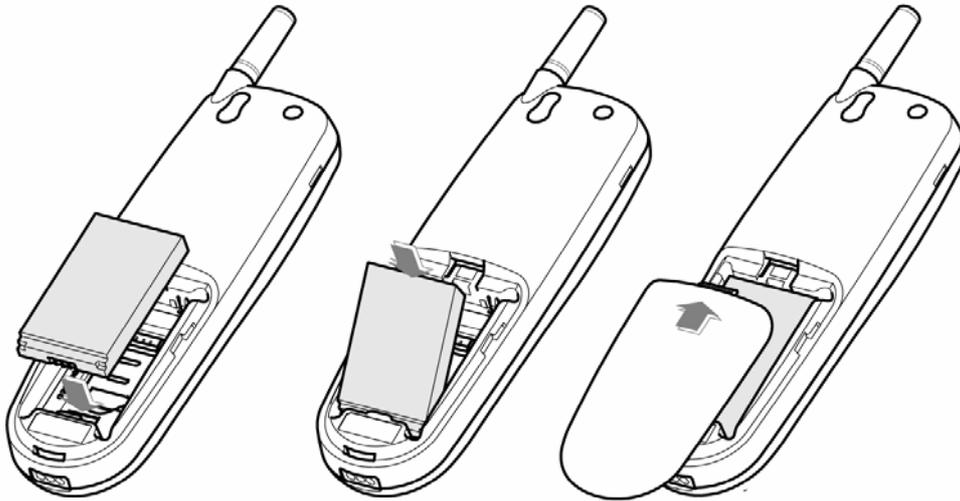


2.1 Install Battery

- Base



-Handy



Note: To use when sudden power failure, the base battery shall be installed at all times. Charges after you insert the battery to the handset.

Caution: To prevent injury or burns, do not allow metal objects to contact the battery terminals. Do not disassemble. Use only the original batteries. Batteries must be disposed of properly.

2.2 Charge the battery

Caution: For initial charge, phone should be charged at least 6 hours. After the phone is fully charged, battery icon  stops scrolling.

2.2.1 Base

- ① Connect the lead from the charger to the side of the Base.
- ② Connect the charger to an AC wall outlet.

Note: When you turn on the power, red LED is on. If the handy is on the base, blue LED is on, which shows charging status. If the battery of the handy is completely discharged, it may take a while to see blue LED turned on.

2.2.2 Handy

- ① Put the handy on the base and check if charging indication appears on the display.
- ② If the battery is discharged, it may take a few minutes before the charging indication appears on the display.
- ③ After the phone is fully charged, battery icon  stops scrolling. Charging time depends on a charger and battery used.

3

FEATURE HIGHLIGHTS

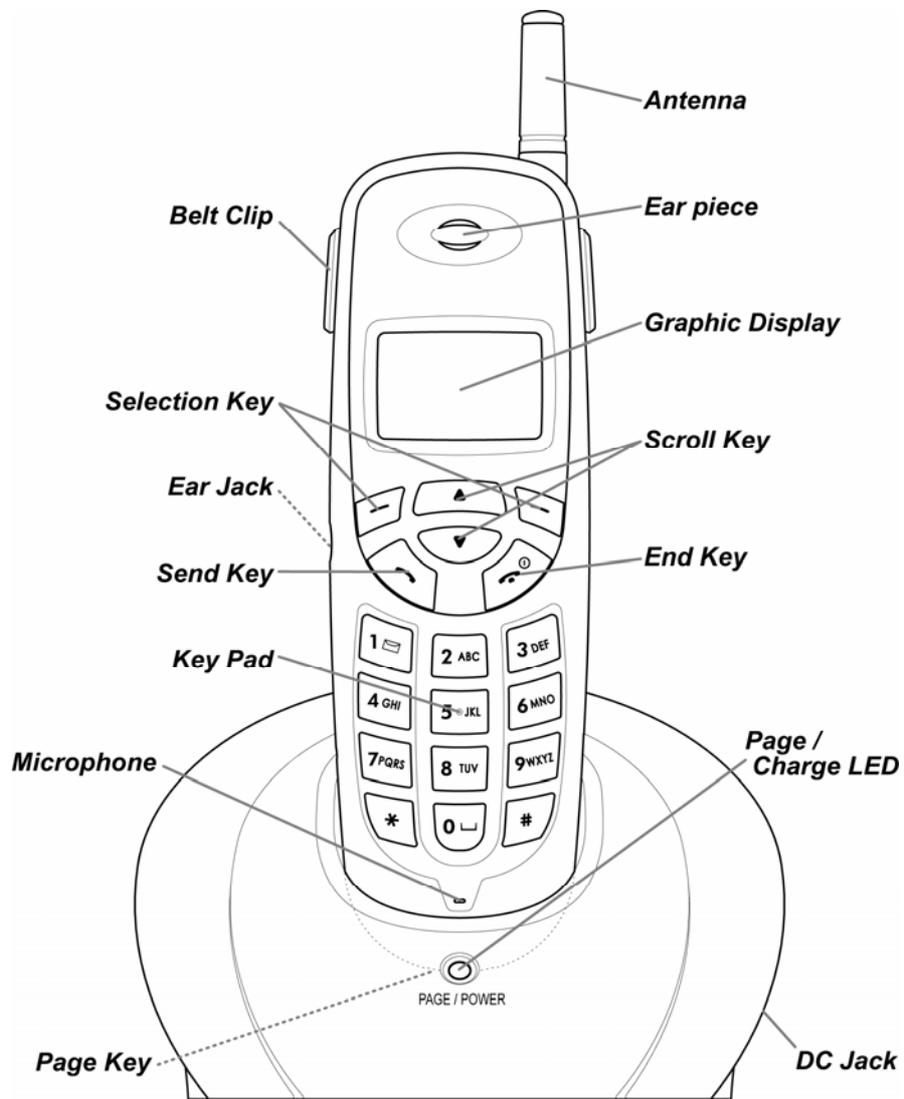
- Dial tone generation
- Auto Dialing
- Voice mail
- Short Message Service (160 characters x 22ea)
- Emergency call
- Call logs
- Call restriction
- Caller ID
- Clock with alarm
- Cordless function (Out of range display and warning tone)
- Blue back light for LCD and keypad
- Multiple ring tones
- Page button
- Graphic display
- Multi language (English, Spanish, Portuguese)
- 200 phone book memories
- Antenna bar
- Battery bar
- Ear phone / microphone jack
- PC FAX
- Data communication through Mini USB
- Phone Lock
- Call Forwarding
- Call Waiting
- 3 – Way Call
- Key Guard

4

ABOUT THE PHONE

This phone is operated in digital mode within 800MHz frequency band.

4.1 Name and function



4.2 Key functions

	<p>Menu / Selection Key</p>	<p>The functions of the selection keys depend on the guiding texts shown above the keys.</p> <p>Press  to directly go to Menu indicated on the screen above the key.</p> <p>Press  to directly access to Search to search the phone book.</p>
	<p>Send key</p>	<p>Press to make a call to name / number shown on the screen.</p> <p>Press to answer a call.</p> <p>Press and hold for 1 second to enter the list of missed, received and dialed call numbers.</p>
	<p>End key</p>	<p>Press to end a call.</p> <p>Press once to exit a function and to return to the idle screen.</p>
	<p>Scroll keys</p>	<p>Press  or  to scroll the menu.</p> <p>Press  to go to Message Menu from standby status.</p> <p>Press  to go to Sound Menu from standby status.</p>
	<p>Numeric/Text key, Toggle key</p>	<p>Used for entering numbers and letters.</p> <p>Press  to toggle between upper case and lower case in text mode.</p> <p>Press  to cycle among numeric mode and special</p>

		character mode and text mode.
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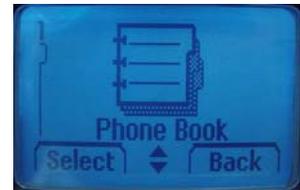
4.3 Display indicators

4.3.1 Standby screen

The standby screen displays when the phone is turned on. Several features can be used only when the phone is at the idle screen.

4.3.2 Scroll bar

When you access the phone's menu, there is a scroll bar at the far left or right of the screen. This bar indicates user's location in the menu: each "tab" on the bar represents a different menu item.



4.4 Icons

Icons are graphical representations of a specific item or situation.

The list below shows what each icon means.

	You have one or more new text or voice messages waiting.
	Text mode icon. This indicates that the characters you enter will be uppercase. Press  to switch to lowercase or first-uppercase.
	Text mode icon. This indicates that the characters you enter will be lowercase. Press  to switch to numeric mode or first-uppercase.
	Text mode icon. This indicates that the first character you enter will be uppercase and the next characters will be lowercase. Press  to switch to lowercase or uppercase.
	Numeric mode icon.

	Press  to switch to numeric mode or text mode.
	The alarm clock is set.
	Battery indicator
	Silent
	Phone lock
	Signal strength indicator. This indicator shows the signal strength of the wireless network at your current location. The higher the bar, the stronger signal.
	Mute
	Roaming Status
	1x Indicator

5

BASIC OPERATIONS

5.1 Power ON and OFF

Case 1:

- ① To turn the phone on, press  .
Or, handy is automatically powered on when you place the handy on the base.
- ② To turn the phone off, press and hold  .

5.2 Make a call

Case 1:

- ① Enter the phone number including the area code and press 
- ② Press  to end the call or to cancel the call attempt. If handy is placed in a base, call is automatically terminated.

Note: The phone may generate heat during longer calls.

Case 2:

- ① Press  to hear dial tone
- ② Enter the phone number including the area code and press 
- ③ Press  to end the call or to cancel the call attempt. If handy is placed in a base, call is automatically terminated.

Note: If you dial a phone number after the handy generates the dial tone, the call is automatically made 6 seconds later.

5.3 Answer a call

Case 1:

- ① When the handy is resting in its base, and the phone rings, lift the handy.
- ② If Lift Answer is set to ON, the ringing will stop and get into talk mode appearing talk time in the display.
- ③ Press  if Lift Answer is set to off.

Case 2:

- ① When the handy is out of its base, and the phone rings, press  to answer a call.

5.4 Call Forwarding

Call forwarding is a feature on your phone that lets you forward your incoming calls to another phone number, even if your phone is turned off. Also, you can receive calls while Call Forwarding is activated. (Three kind of option – unconditional, no answer, occupied)
Contact your service provider to activate Call Forwarding

5.5 Call Waiting

Call Waiting alerts you to a second incoming call while you are on the phone. To respond to a call waiting, press (Send). Press Send again to return to the original call.
Contact your service provider to activate Call Waiting.

5.6 Three-Way Calling

Three-Way Calling is a feature on your phone that lets you set up a three-way conversation with two other persons. (SEND) is used with Three-Way Calling.
During a call with a person, press (Send) and dial to call the second caller. When the second caller responds, press (Send) again to establish 3 - Way Call.
Contact your service provider to activate 3-Way Calling.

5.7 Menu During the call

During the call, **Menu** appears in the display as below, you can press Menu to use one of the options you want.

- ✓ Messages Send or check the message you received or sent.
- ✓ Send Phone # Send your own phone # to the call receiver.

- ✓ Mute Press Mute to keep silence and press Unmute to disable Mute.
- ✓ Voice Privacy Select Privacy mode you prefer between **Standard Mode** or **Enhanced mode**.
- ✓ Tone Length Select **Long DTMF** or **Short DTMF**.

5.8 Adjust the Volume

You can adjust the earpiece volume during a call by pressing the scroll keys on the phone.

- ① Press  to increase the volume.
- ② Press  to decrease the volume.

5.9 Redial the recent call number

You can redial the recent call number. The maximum numbers recently missed, dialed or received numbers that can be stored is 30. Stored numbers may be up to 32 digits long.

- ① Press  for a second, dial tone is generated and recent call numbers appear in the display.
- ② Press  or  to scroll to the number you wish to dial.
- ③ Press  once.

Note: If no recently dialed or received call numbers are stored, you are not able to use this function.

5.10 Caller ID

Caller ID is a network service that identifies incoming calls. Contact your service provider to find out how to get this feature.

When Caller ID is active, your phone shows the caller's phone number during an incoming call, as long as this number is a part of your service provider's wireless network.

The wireless network lets you know if it does not recognize the caller's phone number. The wireless network will also let you know if the calling party has blocked the Caller ID feature.

If you have stored the name and number of the calling party in your phone book and that number is supported by the wireless network, the caller's name can also appear.

5.11 Out of Range display and warning tone

If handy is out of range from the base, display shows “Out Of Range”. In this state, you are not able to make or receive a call, and also SMS and Voice mail function does not work.

① Standby

If handy is far away from the base, the handy displays “Out Of Range” on the screen, and generates “Out of Range” warning beep sound every 2 minutes. This tone lasts for 4 minutes until you get close to the base. If you try to make a call during this state, handy generates error beep sound and display “Out Of Range”.

When handy is close to the base, “Out Of Range” disappears.

② During a call

During a call, if handy is far away from the base, the handy displays “Out Of Range” on the screen and generates “Out Of Range” warning beep sound every 3 second. You can continue the call if the handy closes to the base within 30 seconds after beep sound started. If not, call is automatically dropped.



Note: Exceptionally, you can make an emergency call although the handy is “Out Of Range” from the base.

5.12 Paging

Press the page button to find handy, and then handy beeps.

After you find it, press any key on the handy to stop the beep sound. You can stop the beep by pressing page key one more time.

5.13 Handy and Base ID Settings

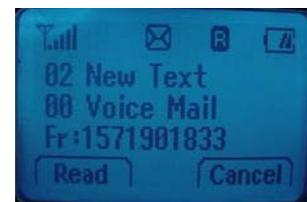
Once battery in the handy or in the base is replaced, you must configure ID settings as follows.

- ① Place handy on the base when a charger is connected to the base.
- ② When handy beeps and display “Charging” and blue LED is on, ID setting is completed.

Caution: If ID setting is not properly completed, handy displays “Out Of Range”. Retry 5.9 Procedure to properly configure ID settings.

5.14 SMS and Voice Mail

A new SMS or Voice mail arrives, the back light of the handy is on and the handy displays “XX New Text” or “XX Voice Mail” and call back number on the screen.



6

USE PHONE MENUS

6.1 Navigate menus

A menu is a list of choices you can make. Your phone has 6 main menus. Each main menu contains numerous submenus that allow you to use the phone book, change the ringing tone, and so on. You can use menus and submenus in two ways: by scrolling or by using shortcuts.

6.1.1 Scroll through menus

From the idle screen, press **Menu**, and then scroll through the menu using the  and .

6.1.2 Use a shortcut

You can use a shortcut to get to options directly without scrolling through lists. For example, press Menu, 4 and 1 to access ring type setting menu directly.

6.1.3 Exit menu levels

- ① To return the previous menu level, press **Back** or **No**.
- ② To return to the idle screen, press . No menu setting changes are saved.

6.2 List of Menus

Your phone consists of the menus as below.

1. Phone Book

1. Add New
2. Search Entry
3. Search Name
4. Erase
5. My Phone #

2. Call Logs

1. Missed Calls
2. Received Calls

- 3. Dialed Calls
- 4. Erase Logs
 - 1. Missed Calls
 - 2. Received Calls
 - 3. Dialed Calls
 - 4. All Logs
- 5. Call Duration
 - 1. Last Call
 - 2. All Calls
 - 3. Received Calls
 - 4. Dialed Calls

3. Message

- 1. Write Message
- 2. Inbox
- 3. Outbox
- 4. Erase Message
 - 1. Inbox
 - 2. Outbox
 - 3. Voice Mail
 - 4. Erase All
- 5. Settings
 - 1. Save Sent SMS
 - 2. Default Call Back #
 - 3. Message Alert
 - 1. Bell & remind
 - 2. Silent
 - 3. Bell
 - 4. Delivery Ask
 - 5. Auto Erase
 - 1. Inbox
 - 2. Outbox
- 6. Voice Mail

4. Sound

1. Ring Type
 1. Ringer
 2. Slide Ringer
 3. Silent
2. Ring Tone
 1. Bell
 2. Melody
3. Ring Volume
4. Key Tone
 1. Tone Length
 1. Long DTMF
 2. Short DTMF
 2. Tone Volume
5. Sound Settings
 1. Minute Alert
 2. Connect Alert
 3. Release Alert
 4. Charge Alert
 5. Error Alert
6. Alarm
 1. Alarm #1
 2. Alarm #2
 3. Alarm #3

5. Settings

1. Auto Redial
 1. Retry Time
 2. Repeat
2. Lift Answer
3. One Touch
4. Voice Privacy
 1. Standard Mode
 2. Enhanced Mode

- 5. Back-Light
- 6. LCD Contrast
- 7. Language
 - 1. English
 - 2. Español
 - 3. Português
- 8. Data Service
 - 1. Receive Mode
 - 1. Voice
 - 2. Data
 - 3. Fax
 - 2. Baud Rate
 - 1. 230400bps
 - 2. 115200bps
 - 3. 19200bps

6. Security

- 1. Auto Lock
- 2. Change Code
- 3. Restrict
 - 1. Receiving
 - 2. Dialing
 - 3. International
- 4. Reset

7

ENTER LETTERS AND NUMBERS

You can enter letters or numbers with the phone key pad to save the information into your phone. To enter letters, press the key associated with the letter you wish to enter until it appears on the screen (numbers also appear).

7.1 Enter Letters

When you want to add new names or when you search names in the phone book, your phone automatically switches to the text mode and displays the **Abc** icon.

Key	Characters	Key	Characters
	1 . @ - ' , / : ? (	P Q R S 7
	A B C 2		T U V 8
	D E F 3		W X Y Z 9
	G H I 4		Enter an empty space
	J K L 5		Changes "Abc", "ABC", "abc"
	M N O 6		Changes "Abc", "123", Special character as below ! @ # % & * < > - ; \ ? . , { } \$ [] ^ _ + = : " ' () / ~

Press a key once or several times to enter the letter(s) you want. For example, press 

three times to enter the letter C.

7.1.1 Edit name

To edit a name in the phone book:

- ① Use  to scroll the cursor to the left.

② Use  to scroll the cursor to the right.

③ Press **Clear** to correct any mistakes.

7.1.2 Change case of letters and numbers

You can switch the mode among uppercase and lowercase letters by  and lowercase letters and numbers by pressing .

8

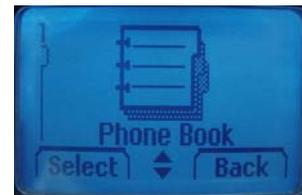
USE THE PHONE BOOK

8.1 About the phone book

You can store up to 200 entries in the phone. Entries stored in phone allow numbers of up to 32 digits, and names of up to 33 characters.

In the idle screen, you can press  (Search) on the right

and  (Search) on the left to enter to the Phone Book List.



8.2 Add a new phone book Entry

To create a phone book entry:

- ① Press **Menu > Phone book**.
- ② Scroll to **Add New** and press **Select**.
- ③ Enter the number you want to store and press **Save**.
- ④ Check entry number shown in the display or change entry number and press **Next**.
- ⑤ Enter the name you want to store and press **Save**.
- ⑥ Select one of labels among **Mobile**, **Home** and **Office** where you want to store the number and press **Select** to complete.
- ⑦ To store the number into other storing option :
- ⑧ Press **Search** and enter the name you want to find or press **Select** to find all list.

*Note : During the call, if you press the phone number, **Save** appears in the left of the display and **Clear** appears in the right of the display. Press **Save** to add phonebook or press **Clear** to edit phone number. And then, follow the above procedure to finish adding phone book entry.*

8.3 Edit Entry

To edit a phone book entry:

- ① Press **Menu > Phone book**.

- ② Scroll to **Search Name** or **Search Entry** to find the number you want to edit.
- ③ Select the entry to edit.
- ④ Press **Edit** and change the name or the number.
- ⑤ Press **Save** to complete the change.

To add the number into other storing option:

- ① Press **Menu > Phone book**.
- ② Scroll to **Search Name** or **Search Entry** to find the number you want to add.
- ③ Select the entry to edit.
- ④ Scroll to one of the options (Mobile, Home, Office) you want to add and press **Edit**.
- ⑤ Enter the number and press **Save** to complete the change.

8.4 Search Entry

To search a phone book list by Entry:

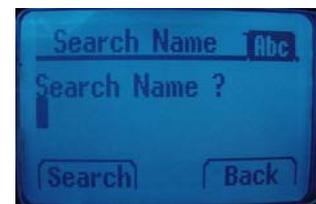
- ① Press **Menu > Phone book**.
- ② Scroll to **Search Entry** and press **Select**.
- ③ **Entry? _____** appears in the display and enter the number you want to find, or press **Search** to list all entries stored in the phone book.

Note: If One touch is set to ON in the setting menu, you can make a call by pressing long the last digit of Entry number stored in the phone book from idle screen

8.5 Search Name

To search a phone book list by name:

- ① Press **Menu > Phone book**.
- ② Scroll to **Search Name** and press **Select**.
- ③ Enter one or two characters to match the phone book stored and press **Search**.
- ④ The character you entered is included in the name stored and entries appear in the display.
- ⑤ If you press **Search** without entering a character, all entries are listed.
- ⑥ Scroll to the number you want to call and press .



Note: You also can go directly to this function by pressing Search from the idle screen

8.6 Erase

To delete phone book entries:

- ① Press **Menu > Phonebook**.
- ② Scroll to **Erase** and press **Select**.
- ③ Scroll to **One by One** to delete one phonebook.
- ④ Or, press **Erase All** to decide the way you want to delete phone book entries and press **Select**.
- ⑤ Select **Yes (or Erase)** if you want to delete, or select **No** (or **Back**) to go back to previous menu.

Caution: Note that this action cannot be undone once you perform this function..

8.7 My Phone

To store your own phone number in the phone:

- ① Press **Menu > Phonebook**.
- ② Press **My Phone #** to display your number.

9

USE CALL LOGS

The Call History keeps track of:

- Missed Calls
- Received Calls
- Dialed Calls
- Erase Logs
- Call Duration



Note: Your phone can store up to 30 call numbers including missed, received and dialed calls.

When you miss a call(s), the message of missed call number, time and call back number appears on the screen. You can press **OK** after checking the screen and go back to Standby. The records will be stored in Call Logs.



You are notified of missed calls only when your phone is turned on in the service area.

9.1 Check Missed / Received / Dialed Calls

- ① Press **Menu > Call Logs**.
- ② Select **Missed Calls**, **Received Calls** or **Dialed Call** and press **Select**.
- ③ From the list of records, select the number listed in the display and press **Detail** to see the detail call log like date and time.
- ④ Press **Option** for the following options.
 - **Store** Save the number to the phone book.
 - **Erase** Delete the chosen number.

9.2 Erase Logs

You can choose to delete Missed Calls, Received Calls and Dialed Calls or delete All.

- ① Press **Menu > Call Logs**.
- ② Select **Erase Logs** and press **Select**.
- ③ Scroll to **Missed Calls**, **Received Calls**, **Dialed Calls** or **All Calls** and press **Select**.
- ④ Press **Yes** to delete or press **No** to quit.

Caution: Note that this action cannot be undone once you perform this function.

9.3 Call Duration

You can check the call time in below:

- **Last Calls** Check the call duration of the last call.
 - **All Calls** Check the total call times and call duration of all calls.
 - **Received Calls** Check the total times and call duration of all received calls.
 - **Dialed Calls** Check the total times and call duration of all dialed calls.
-
- ① Press **Menu > Call Logs > Call Duration**.
 - ② Scroll to **Last Calls**, **All Calls**, **Received Calls** or **Dialed Calls** and press **Select**.

10

USE SMS (SHORT MESSAGE SERVICE)

Your phone can send or receive text message. It supports 22 messages with 160 characters each message and you can use Template (already installed in your phone) to shorten the editing time.

After completion of a message, you can choose to send it out right away, or to save it into the outbox.

- Write Message
- Inbox [00/00]
- Outbox [00]
- Erase Message
- Settings
- Voice Mail [00]



10.1 Send a Text Message

You can send a text message to one recipient. You can manually enter the phone number, or you can select the number from the phone book.

Note: The maximum length of a text message differs depending on the capabilities of the network from which it originated. Also, text messages may be delayed according to network service condition because messages can be originated in networks.

Contact your service provider for more information.

- ① Press **Menu > Message**.
- ② Scroll to **Write Message** and press **Select**.
- ③ You can enter text, numbers and special characters to create a message. A maximum 160 characters is supported to send a message.
- ④ Or, press **Temp** to use template stored in the phone and select one of the template messages below.
 - Where are you?
 - Hello, How are you?

- Tell me, urgently.
- I will call you later.
- Contact me when available.
- I will be late.
- Received message. Will reply later.
- What are you doing?
- When can I see you?
- What time is the meeting?

- ⑤ Press **Next** to complete the message.
- ⑥ Press **Search** to find the number stored in the phone book.
- ⑦ Scroll to the name you want and press **Detail**.
- ⑧ Select **Mobil**, **Home** or **Office** and press **Input**.
- ⑨ If the number appears in the display, press **Next** to save the number.

Or, you can manually enter the number and press **Next** right after completing the message.

- ⑩ Choose one of the following options and press **Select**.
 - ✓ **Send** Send message to only one number.
 - ✓ **Edit Message** Edit the message
 - ✓ **Edit Number** Edit the phone number you entered.
 - ✓ **Save Message** Save message to the Outbox.
 - ✓ **Priority** Set a priority between **Urgent** and **Normal**.
 - ✓ **Call Back** Enter a call back number.

10.2 View Inbox / Outbox

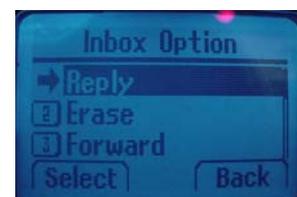
When you receive a message, a call back number is displayed with a message alert, and a new message icon  appears as picture.

You can press **Read** to read it right away, or ignore it and check it later in Inbox by pressing **Cancel**.

Outbox stores messages sent and saved.



- ① Press **Menu > Message**.
- ② Scroll to the **Inbox** or the **Outbox** and press **Select**.
- ③ From the list, select the message you received or sent



and press **Select**.

- ④ When you press **Option**, you can scroll to one of the following message options:
 - ✓ **Reply (Inbox)** Reply the chosen message.
 - ✓ **Resend (Outbox)** Send the chosen message.
 - ✓ **Edit Number(Outbox)** Modify the phone number of the chosen message.
 - ✓ **Erase** Delete the chosen message.
 - ✓ **Forward(Inbox/Outbox)** Forward the chosen message.

10.3 Erase a message

To delete messages stored in Inbox, Outbox and Voice mail:

- ① Press **Menu > Message**.
- ② Scroll to **Erase Message** and press **Select**.
- ③ Scroll to **Inbox**, **Outbox** or **Voice Mail** you want to delete and press **Select**, **One by One**. Or, select **Erase All** to delete all in the message box and press **Erase (Yes)** to delete or press **Back (No)** to quit.

Caution: Note that this action cannot be undone once you perform this function.

10.4 Message Settings

To configure the message settings:

- ① Press **Menu > Message**.
- ② Scroll to **Settings** and press **Select**.
- ③ From the list, select one option you need and press **Select**.
 - ✓ **SMS** You can save the sent message
 - ✓ **Default CB #** Enter the default call back number.
 - ✓ **Message Alert** Select **Bell**, **Silent** or **Bell & Remind**.
 - ✓ **Delivery Ack** Press **Yes** to check message delivery or press **No** to quit.
 - ✓ **Auto Erase** Set to erase **Inbox** or **Outbox** automatically.

10.5 Use Voicemail (Network Service)

You can access to your voice messages by calling your network voice mail phone number.

Voice messages are stored to the network voice mail box, not to your phone. Please contact your service provider for more information.

There are three ways to listen to Voice Mail you received.

- ① Press **Menu > Message**.
- ② Scroll to the **Voice mail** and press **Select**.
- ③ If there is no voice mail received, “Voice Mail Empty!” displays.
- ④ If there is one or more voice mails received, press  to listen to the voice mail.

Or, Dial voice mail box number assigned by local service provider and press .

Note: If you set **One Touch dial** to **On** in Settings of the main menu, entry number [001] in the phone book is set to local voice mail box number. You can press and hold  in standby mode to listen to the voice mail unless you change the number in entry number [001] to the other phone number.

11

SET SOUND

You can set your own preference on the following functions.

- Ring Type
- Ring Tone
- Ring Volume
- Key Tone
- Sound Settings
- Alarm



11.1 Set Ring Type

- ① Press **Menu > Sound > Ring Type**.
- ② Scroll to one of the below options you want and press **Select**.
 - ✓ **Ringer**
 - ✓ **Slide Ringer**
 - ✓ **Silent**

Caution: Your phone is set to Slide Ringer as a default value. If you set ring type to Ringer, you must not have the handy close to your ear when it is standby mode or when it is generating ring sound. If the handy is on the base, even though Slide Ringer is set to default, the handy generates same volume as if Ringer is set. For your safety, please keep default setting to Slide Ringer.

11.2 Set Ring Tone

- ① Press **Menu > Sound > Ring Tone**.
- ② Scroll to one of the below options you want and press **Select**.
 - ✓ **Bell**
 - ✓ **Melody**

11.3 Set Ring Volume

- ① Press **Menu > Sound > Ring Volume**.
- ② Adjust the volume by pressing  and  scroll keys and press **Select**.



11.4 Set Key Tone

- ① Press **Menu > Sound > Key Tone**.
- ② Scroll to one of the below options you need and press Select.
 - ✓ **Tone Length** Select Long DTMF or Short DTMF
 - ✓ **Tone Volume** Adjust the volume by pressing  or  scroll keys.

11.5 Set Sound Setting

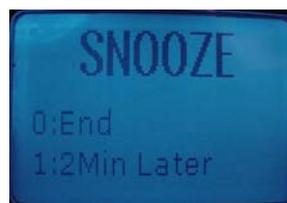
- ① Press **Menu > Sound > Sound Settings**
- ② Scroll to one of the below options you need and press Select.
 - ✓ **Minute Alert**
 - ✓ **Connect Alert**
 - ✓ **Release Alert**
 - ✓ **Charge Alert**
 - ✓ **Error Alert**

11.6 Set Alarm

When Alarm is set, the icon  appears on the idle screen. You can set up to three Alarms.

- ① Press **Menu > Sound > Alarm**.
- ② Scroll to **Alarm #** you want to set and press **Select**.
- ③ Select **Off**, **Once** or **Daily** and press **Next**.
- ④ Set Time and press **Next**.
- ⑤ Select **Off** or **On** to use Snooze function and press **Next** to save the change.
- ⑥ When the phone alarms at the time you set, press any key to stop the alarm.
- ⑦ If you set Snooze function,

- ✓ Select  : end
- ✓ Select  : Snooze



12

USE SETTINGS

Setting menu includes:

- **Auto Redial**
- **Lift Answer**
- **One Touch**
- **Voice Privacy**
- **Back-Light**
- **LCD Contrast**
- **Language**
- **Data Service**



12. 1 Set Auto Redial

You can set Auto Redial to enable the phone to keep trying dialing if the called party is not available.

- ① Press **Menu > Settings > Auto Redial**
- ② Scroll to **Retry time** and press **Select**.
- ③ You can choose one of the options you need and press **Select**.
 - ✓ **Off**
 - ✓ **3 Seconds**
 - ✓ **5 Seconds**
 - ✓ **7 Seconds**
 - ✓ **10 Seconds**

Or, you can scroll to **Repeat** and press **Select**.

- ✓ **1 time**
- ✓ **3 times**
- ✓ **5 times**

12. 2 Set Lift Answer

This allows you to set answer mode.

- ① Press **Menu > Settings > Lift Answer**.

- ② Select **On** to answer a call by lifting the handy from the base or **Off** to answer by pressing .

12.3 Set One Touch

- ① Press **Menu > Settings > One Touch.**
- ② Select **On** to dial by pressing and holding the last digit of Entry.

12.4 Set Voice Privacy

- ① Press **Menu > Settings > Voice Privacy.**
- ② Press **Select** to choose Voice Privacy mode you prefer between **Standard Mode** or **Enhanced mode.**

12.5 Set Back-Light

- ① Press **Menu > Settings > Back-Light**
- ② Scroll to one of the below options you want and press **Select.**

- ✓ **10 Seconds**
- ✓ **20 Seconds**
- ✓ **30 Seconds**
- ✓ **Off**

12.6 Set LCD Contrast

There are 7 levels for LCD Contrast.

- ① Press **Menu > Settings > LCD Contrast.**
- ② Adjust contrast using pressing  and  key.
- ③ Press **Select** to save or **Back** to quit.



12.7 Set Language

You can select the language you need. The phone currently supports three languages (English, Spanish, and Portuguese).

- ① Press **Menu > Settings > Language.**
- ② Select the language you need and press **Select** to complete.

12.8 Set Data Service

You can use your phone to receive data or fax. In order to use this feature, the handy should be connected to PC with USB cable.

- ① Press **Menu > Settings > Data Service**.
- ② Scroll to Receive Mode and press Select.
- ③ Select one of the below options as you want.
 - ✓ Voice Set to Voice to make or receive a call.
 - ✓ Data Set to Data to receive data from PC.
 - ✓ Fax Set to Fax to receive fax from PC.

Also, this menu enables the subscriber terminal to set the data band.

- ④ Scroll to Band Rate and press Select.
- ⑤ Select one of the below options as you want.
 - ✓ 230400 bps
 - ✓ 115200 bps
 - ✓ 19200 bps

12.9 PC Connectivity for Email and Internet

For more information, please refer to the quick guide and install PC Application software in your PC from provided CD.

13

SECURITY

Your phone is equipped with a versatile security system that prevents the unauthorized change of the below phone settings.

- ✓ **Auto Lock**
- ✓ **Change Code**
- ✓ **Restrict**
- ✓ **Reset**



You must press default security code “0000” to enter into this menu and you can change security code as you want.

13.1 Set Auto Lock

You can lock the phone to prevent unauthorized use of phone. Even though your phone is locked, you still can make a call to the emergency number programmed into your phone, such as 911 or any other official emergency number.

- ① Press **Menu > Security > Password > Auto lock.**
- ② Toggle **ON** or **OFF** to lock or unlock phone. If you want to lock the phone after power on, select **Power ON**.
- ③ Press **Security code** to disable the lock.

13.2 Set Change Code

You can change security code in four digits.

- ① Press **Menu > Security > Password > Change Code.**
- ② Enter the number you want to set and press **Save.**



Caution: Contact your service provider if you forget the security code.

13.3 Set Restrict

You can restrict incoming and outgoing calls.

- ① Press **Menu > Security > Password > Restrict**.
- ② Scroll to one of the below options you want and press **Select**.
 - ✓ **Receiving**
 - ✓ **Dialling**
 - ✓ **International**



- ③ Scroll to **Allow** to allow the calls or **Restrict** to restrict the calls and press **Select** to complete.

*Note: Exceptionally, you can make an emergency call even when receiving or Dialling or International calls are set to **Restrict**.*

13.4 Set Reset

This feature resets the current settings to factory default values. All messages stored in the phone are erased and cannot be undone once performed.

- ① Press **Menu > Security > Password > Reset**
- ② Press **Yes** to reset the phone or **No** to quit.

13.5 Set Key Guard

You can set to enable or disable key guard by pressing # and hold. Key guard icon appears in the display when key guard is enabled.

14.1 Emergency Calls

IMPORTANT!

This phone, like any wireless phone, operates using radio signals, wireless and landline networks, and user-programmed functions. Because of this, connections in all conditions cannot be guaranteed. Therefore, you should never rely solely on any wireless phone for essential communications (e.g. medical emergencies).

Remember, to make or receive any calls, the phone must be switched on and be used in a service area that has adequate signal strength. Emergency calls might not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

14.1.1 Make an emergency call

- ① Enter the emergency number for your present location (for example, 911 or any other official emergency number emergency numbers vary by location).
- ② Press .

If certain features like restrict calls are in use, you might first need to turn those features off before you can make an emergency call. Consult this guide and your local cellular service provider.

When making an emergency call, remember to give all of the necessary information as accurately as possible. Remember that your wireless phone might be the only means of communication at the scene of an accident do not terminate the call until given permission to do so.

14.2 Troubleshooting

14.2.1 No service

If you are outside the wireless service area, “No service” will display on your phone, so no calls can be made or received.

14.2.2 What if the call does not go through?

Your phone can make and receive calls only when it is switched on and in the wireless network service area.

No service means that you are probably outside the wireless service area. No calls can be made or received.

Weight	Handy : 168.0grams(0.37 lbs) Base : 153.5 grams(0.33 lbs)
Size (H x W x D)	Handy : 160.3mm(H) x 50.0mm(W) x 34.8(T) (Antenna adds 27.0mm to the height) 5.31”(H) x 1.96”(W) x 1.37”(T) (Antenna adds 1.06” to the height) Base : 83.2mm(H) x 125.0mm(W) x 133.7mm(T) 3.27”(H) x 4.92”(W) x 5.26”(T)
Wireless Networks	CDMA 1 x 1900
Frequency Range	1900Mhz
Base Back up Battery	3.6V 280mAh rechargeable battery

Limited Warranty for Personal Communication Products, Accessories and Software.

What Does this Warranty Cover? Subject to the exclusions contained below, BRIGHTSTAR warrants the Avvio branded 8000 that it manufactures (“Products”), to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is a consumer’s exclusive remedy, and applies as follows to new Avvio branded Products manufactured by BRIGHTSTAR, and purchased by consumers around the world which are accompanied by this written warranty:

PRODUCTS COVERED

A. Products as defined above.

1. The Fixed Wireless Telephone.
2. The accessories included with the Fixed Wireless Telephone.

LENGTH OF COVERAGE

A. One (1) year from the date of purchase by the first consumer purchaser of the product.

EXCLUSIONS

Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

Batteries. Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.

Abuse & Misuse. Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products for commercial purposes or subjecting the Product to abnormal usage or conditions; or (d) other acts which are not the fault of BRIGHTSTAR, are excluded from coverage.

Use of Non-Pulsare branded Products and Accessories. Defects or damage that result from the use of Non-Avvio branded or certified Products, Accessories, Software or other peripheral equipment are excluded from coverage.

Unauthorized Service or Modification. Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than BRIGHTSTAR or its authorized service centers are excluded from coverage.

Altered Products. Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-AVVIO branded housings, or parts, are excluded from coverage.

Communication Services. Defects, damages, or the failure of products, due to any communication service or signal you may subscribe to or use with the Products is excluded from coverage.

Who is covered? This warranty extends only to the first consumer purchaser, and is not transferable.

What will BRIGHTSTAR Do? BRIGHTSTAR, at its option, will at no charge repair,

replace or refund the purchase price of any Products that does not conform to this warranty. We may use functionally equivalent reconditioned/refurbished/pre-owned or new Products, Accessories or parts. No data, software or applications added to your Product, Accessory or Software, including but not limited to personal contacts, games and ringer tones, will be reinstalled. To avoid losing such data, software and applications please create a back up prior to requesting service.

How to Obtain Warranty Service or Other Information?

For information on how to obtain service, contact the place where the product was purchased or an BRIGHTSTAR Service Center in your country.

In order for this Warranty to take effect, take your unit, along with this policy, to the place of purchase or to a BRIGHTSTAR Authorized Service Center.

You will receive instructions on how to ship the Products, at your expense, to a BRIGHTSTAR Authorized Repair Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider, if applicable; (d) the name and location of the installation facility (if applicable) and, most importantly; (e) your address and telephone number.

What Other Limitations Are There? ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, OTHERWISE THE REPAIR, REPLACEMENT, OR REFUND AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OF IMPLIED. IN NO EVENT SHALL BRIGHTSTAR BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA OR OTHER

FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS, TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

Some states and jurisdictions do not allow the limitation or exclusion of incidental or consequential damages, or limitation on the length of an implied warranty, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or from one jurisdiction to another.

REGULATORY INFORMATION

Cautions

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance Information

This device complies with part 15 of FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received.

Including interference that may cause undesired operation.

Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, Pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio Frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FCC RF EXPOSURE INFORMATION

Read this information before using your phone

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards.

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damaged the phone, or result in violation of FCC regulations.

Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

Body-worn Operation

This device has been tested for body-worn operation and meets FCC RF exposure guidelines.

Body-worn operation is restricted to accessories that maintain a minimum of 1.5cm separation to the body and do not contain metallic components.

Use of any other body-worn accessories may not compliance with FCC RF exposure guidelines.

For more information about RF exposure, please visit the FCC website : www.fcc.gov

Specific Absorption Rate (SAR) for Wireless Phones

The SAR is a value that corresponds to the relative amount of RF energy absorbed in the head of a user for a wireless handset. The SAR value of a phone is the result of an extensive testing, measuring and calculation process. It does not represent how much RF the phone emits. All phone models are tested at their highest value in strict laboratory settings. But

when in operation, the SAR of a phone can be substantially less than the level reported to the FCC. This is because of a variety of factors including its proximity to a base station antenna, phone design and other factors. What is important to remember is that each phone meets strict federal guidelines. Variations in SARs do not represent a variation in safety. All phones must meet the federal standard, which incorporates a substantial margin of safety. As stated above, variations in SAR values between different model phones do not mean variations in safety. SAR values at or below the federal standard of 1.6W/kg are considered safe for use by the public.

The highest reported SAR values of FCS-8010 are:

PCS mode (Part 24) – Head: 1.450 W/kg; Body-worn: 0.561 W/kg

FCC Radio Frequency Emission

This phone meets the FCC Radio Frequency Emission Guidelines. FCC ID number: NPQFCS8010 .

More information on the phone's SAR can be found from the following FCC website:

<http://www.fcc.gov/oet/fccid>